Indication and Modes:	
Patient Types	Adult, Pediatric >3kg
Application	Invasive and Non-invasive
Modes	• Volume Targeted Pressure Control (VTPC) • Pressure Controlled Ventilation (PCV) • Pressure SIMV +Pressure Support • Pressure Support Ventilation (PSV) • Continuous Positive Airway Pressure

Features:	
Tidal Volume (ml)	20 – 2000
Peak Flow (L/min)	To 250
Inspiratory Pressure (cmH2O)	1 – 80
PEEP (cmH2O)	0 – 40
Respiratory Rate (BPM)	1 – 60
Inspiratory Time (sec)	0.3 – 2
I:E Ratio	4:1 – 1:4
Pressure Trigger (cmH2O)	-5 to -1
FiO2 (%)	21 – 100%
Special Functions	Circuit compliance Sigh breath Manual breath Insp hold Leak compensation

Alarms:	
Adjustable Alarms	Low exhaled minute ventilation High airway pressure Low airway pressure
Pre-configured Alarms	Low exhaled tidal volume No oxygen High oxygen Low oxygen Airway pressure max No compressed air Low battery AC disconnect Power failure High PEEP Circuit disconnect Need to calibrate
Connectivity	Bluetooth, WiFi, and USB

Display:	
Numerical Data	Set rate Actual rate Set tidal volume Inspired tidal volume Exhaled minute ventilation Set airway pressure limit Actual airway pressure PEEP I:E I-time FiO2 Date and time
Graphic Data	Pressure waveform Flow waveform Spontaneous breath Battery life

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Physical Features and Connections:	
Dimensions (cm)	30 x 25 x 25
Weight (kg)	9kg (includes batteries)
Noise (dB)	<30 at one meter
Oxygen Input (optional)	High pressure: 30 – 90psi Low flow (concentrator): 5-10LPM
Air Input (psi)	25-85 when wall/tank connected, atmosphere when self-powered
Patient Circuit	Generic double-limbed adult or pediatric
Power Options	• 100 – 240 VAC • Internal Li-ion battery (196Wh, recharge time: 4hrs)
Operating Temp Range	-10 – 50C
Storage Temp Range	-10 – 60C
Humidity	10 – 95% (non-condensing)
Accessories	High pressure air/O2 hoses Humidifier Bacterial filters
Approval	FDA
Compliances	ISO 60601-1 ISO 60601-1-2 ISO 80601-2-12 ISO 5356-1

Suggested Maintenance:	
Each Patient	• Replace patient circuit • Clean expiratory block (exhale valve, exhale flow sensor) • Run self test • Calibrate tube compliance and dead space (optional)
Every Month	• Check air inlet filter and replace if needed
Every Year	• Calibrate oxygen sensor and replace if needed
As-Needed	• Software updates as indicated by manufacturer • Replace expiratory block